

# Paralyte 2448 **PLA2G12LS232**

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2' x 4' Recessed Fluorescent, 3-1/8" Deep, 12 Cell Parabolic Louver  
Static and Air Return 2 Lamp, T8 or T12

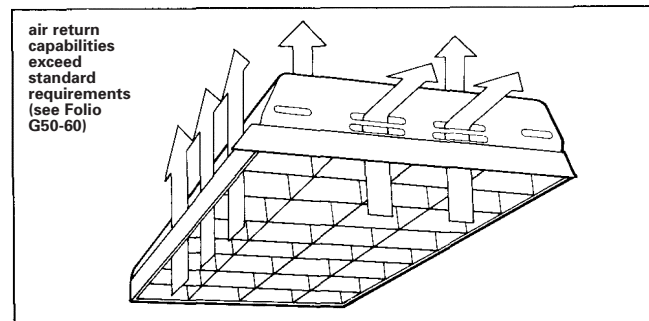
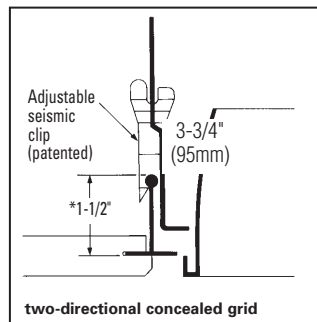
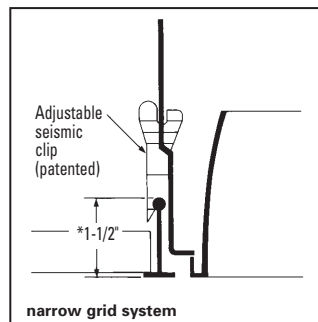
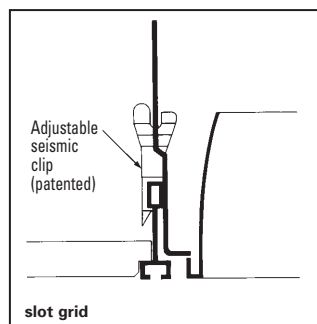
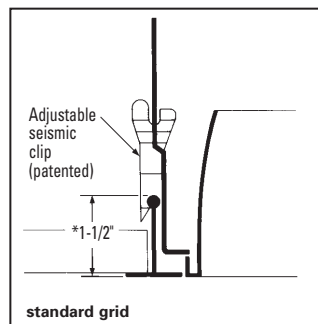
## Features

- 23" x 47" louver
- Efficiency 78.9%.
- One fixture fits 50 different G type and T type ceiling systems.
- Only 5 1/2" deep housing.
- Automatic engaging adjustable seismic clips.
- Pre-anodized aluminum vertical grain parabolic louver.
- 3 1/8" deep louver.
- Low iridescence semi-specular aluminum, standard.
- Spring-loaded latches.
- Protective film dust guard.
- UL-Listed twin knockout access plate.
- Not for continuous row mounting.

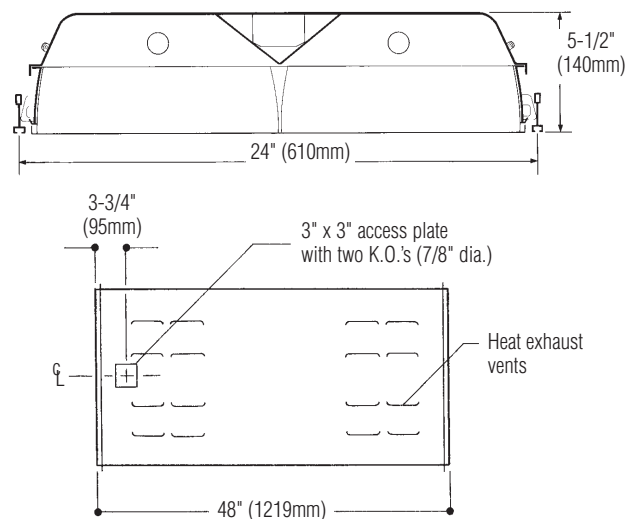


## Mounting Methods

\*If less than 1 1/2", STC spacer is required, 2 each end.



## Dimensions



NOTE: Fixtures may be used for static or air return applications.

## Job Information

## Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Volts/Ballast:**

**Lightolier** a Genlyte Thomas Company

[www.lightolier.com](http://www.lightolier.com)

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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A0902

**Section 2/Folio G50-62 Rev. A**



# Paralyte 2448 PLA2G12LS232

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2' x 4' Recessed Fluorescent, 3-1/8" Deep, 12 Cell Parabolic Louver  
Static and Air Return 2 Lamp, T8 or T12

## Photometry

Model No. PLA2G12LS232120S0

LER=FP-67.5 IW - 58 BF - 0.87

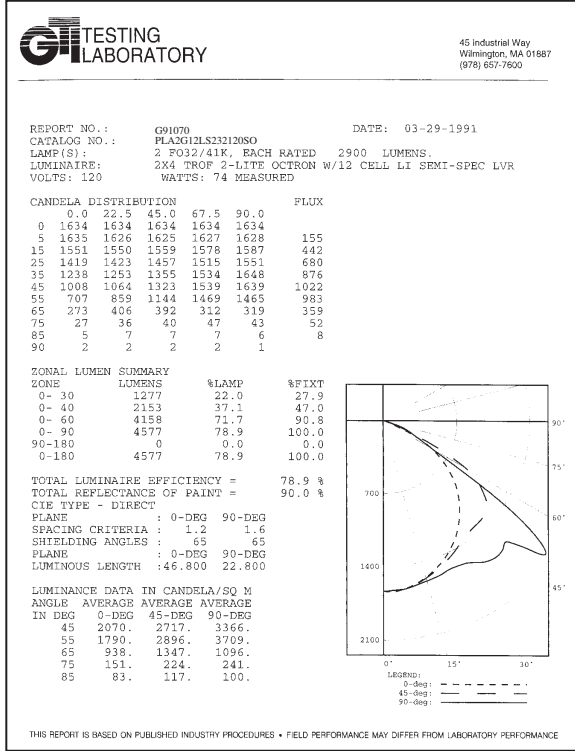
Comparative yearly lighting energy cost per 1000 lumens=\$3.56

coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
1	87	84	81	79	77	75	76	74	73
2	80	74	70	70	66	63	68	65	62
3	73	66	60	62	58	54	60	56	53
4	67	58	52	55	50	46	54	49	45
5	62	52	45	50	44	40	48	43	39
6	57	47	40	45	39	35	43	38	34
7	53	42	35	40	35	30	39	34	30
8	49	38	32	37	31	27	36	31	27
9	46	35	29	34	28	24	33	28	24
10	43	32	26	31	26	22	30	25	22

visual comfort probability (rated lumens per lamp 3150.)

room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	76	72	72	83	73	66	66	73
20	30	79	75	73	73	76	69	66	69
20	40	82	78	76	75	79	72	69	68
20	60	83	80	78	77	81	75	72	71
30	20	80	76	72	79	78	71	68	73
30	30	83	79	73	70	81	74	67	68
30	40	84	81	76	72	82	76	70	67
30	60	86	82	78	75	84	78	73	70
30	80	87	83	80	77	85	80	75	72
40	20	83	79	75	78	80	75	72	73
40	30	85	81	75	71	82	77	71	69
40	40	86	83	78	72	84	79	73	68
40	60	87	84	80	75	85	81	75	71
40	80	88	85	81	77	86	82	77	73
40	100	88	85	82	78	86	82	79	75
60	30	85	83	78	73	83	78	73	72
60	40	87	84	80	74	85	80	75	71
60	60	88	85	81	76	86	82	77	73
60	80	89	86	83	78	87	83	79	75
60	100	89	86	83	79	87	83	80	76
100	40	87	84	81	77	85	80	77	72
100	60	88	85	83	79	86	82	79	74
100	80	88	86	84	80	87	84	80	77
100	100	89	87	84	81	87	84	82	78



## Ordering Information

Explanation of Catalog Number. Example: PLA2G12LS232120S0GLR

<b>PL</b>	<b>A</b>	<b>2</b>	<b>G</b>	<b>12</b>		<b>S</b>						
<b>Paralyte 2448:</b> 3-1/8" Deep Parabolic Precision Contoured Pre-anodized Aluminum Louver	<b>Body Style:</b> A=Air Handling /Static	<b>Fixture Width</b>	<b>Ceiling Type:</b> G=Grid (lay-in T bar)	<b>Number of Cells</b>		<b>Ballast Cover</b> S=Single V Reflector	<b>Lamp Quantity:</b> 2 or 4 Lamps	<b>Lamp/ Fixture Length:</b> 32=T8 34=T12 (Nominal 48")	<b>Voltage:</b> 120 or 277		<b>Ballast Type:</b> LE 1-2 Lamp Mag. T12 1-2 Lamp Elec. T8 2-2 Lamp Elec. T8 1-4 Lamp Elec. T8 LQL T8 Dimming	<b>Options:</b> Add appropriate suffix to catalog no., ie: (GLR) LE <20THD S0* S0* O4* PS HI* HI* H4* -
					<b>Louver Finish:</b> L = Low Irrescence Semi-Specular (standard) W = White Paint							

## Options & Accessories

**Prewiring:** 3/8" factory prewired cable (three no. 18 AWG leads, 6' long).

Suffix: **FF6**, (Four no. 18 AWG leads, 6' long), Suffix: **FF14**.

**Fusing:** Internal fast-blow fusing. Suffix: **GLR**.

Internal slow-blow fusing. Suffix: **GMF**.

**Fluorescent Emergency Lighting System:** Factory-installed emergency power battery pack with charger and inverter, concealed in fixture channel. Operates one fluorescent lamp at reduced light output for 90 minutes. Suffix: **EM**.

**Radio Interference Filter:** 120 or 277 volt, 50 or 60 Hz.

One per fixture. Suffix: **R**. One per ballast. Suffix: **B**.

**Electrical Options:** Special wiring, fusing or dimming ballasts and installed lamps are available, consult your Lightolier representative or factory.

**T-Bar Spacer:** If T-bar is less than 1-1/2" deep, order Catalog Number: **STC**. 2 each end is required.

## Specifications

**Performance:** In an installation of 2 lamp 32W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than 84. To prevent glare the VCP shall not be less than 86 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 1347 foot-lamberts. To control veiling reflections, luminaire output in the 3C°-90° zone shall not be less than 72.1%.

## Specifications (continued)

**Air Return:** Designed to provide optimum air return. Air is returned through the lamp compartment for all ceiling systems and direct to plenum through slots in slot grid and narrow grid ceiling systems.

**Materials:** **Chassis parts** are die-formed code gauge cold rolled steel. **Housing** is embossed for rigidity with all edges turned up for safe handling. **Louver** is pre-anodized aluminum (Coilzak® or equal).

**Finish:** **Louver**—semi-specular anodized low iridescence, vertical grain reflector sheet. **Cavity**—white baked polyester minimum 86% reflectance. Phosphate undercoating. **Chassis exterior**—black baked polyester enamel.

**Electrical:** Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

**Labels:** I.B.E.W./UL and ULc Listed.

Other dimming options. Consult factory.

## Job Information

## Type:

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Section 2/Folio G50-62 Rev. A

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